

ABSTRACT

The aim of the present invention is the determination of the best possible correlation (keying) for electric recordings obtained in a borehole with seismic recordings obtained in a volume of subsoil (the seismic block) containing the bore. This is accomplished by defining in a neighbourhood of the trajectory of the bore a set of layered networks, the entries of which are the seismic signals and the exits of which are electric signals. Accordingly, a quality measure is awarded with regard to the convergence. The best convergence quality then permits the determination of the best place in the neighbourhood which produces the best keying.